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FORM PTO 948 (REV. 11-97)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No. 09/43521d8

NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) 11/8/99 are:

A. _____ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.
B. X _____ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:

Black ink. Color.

 Color drawing are not acceptable until petition is granted.

Fig(s) _____

 Pencil and non black ink is not permitted. Fig(s) _____**2. PHOTOGRAPHS. 37 CFR 1.84(b)** Photographs are not acceptable until petition is granted. 3 full-tone sets are required. Fig(s) _____ Photographs not properly mounted (must bristol board or

photographic double-weight paper). Fig(s) _____

 Poor quality (half-tone). Fig(s) _____**3. TYPE OF PAPER. 37 CFR 1.84(e)** Paper not flexible, strong, white and durable. Fig(s) _____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin) Mylar, vellum paper is not acceptable (too thin).

Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 27.9 cm (8 1/2 x 11 inches) All drawings sheets not the same size.

Sheet(s) _____

5. MARGINS. 37 CFR 18.4(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: 8 1/2 x 11

Margins not acceptable. Fig(s) _____

 Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____**6. VIEWS. CFR 1.84(h)**

REMINDER: Specification may require revision to correspond to drawing changes.

 Views connected by projection lines or lead lines.

Fig(s) _____

Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity.

Fig(s) _____

 Views not labeled separately or properly.

Fig(s) _____

 Enlarged view not labeled separately or properly.

Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object.

Fig(s) _____

 Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____**8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)** Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig(s) _____ Views not on the same plane on drawing sheet. Fig(s) _____**9. SCALE. 37 CFR 1.84(k)** Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l) Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).Fig(s) 1-3**11. SHADING. 37 CFR 1.84(m)** Solid black areas pale. Fig(s) _____ Solid black shading not permitted. Fig(s) _____ Shade lines, pale, rough and blurred. Fig(s) _____**12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.48(p)** Numbers and reference characters not plain and legible.Fig(s) 1-3 Figure legends are poor. Fig(s) 1-3
Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) _____ English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) _____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____**13. LEAD LINES. 37 CFR 1.84(q)** Lead lines cross each other. Fig(s) _____ Lead lines missing. Fig(s) _____**14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)** Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) _____**15. NUMBERING OF VIEWS. 37 CFR 1.84(u)** Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____**16. CORRECTIONS. 37 CFR 1.84(w)** Corrections not made from PTO-948 dated _____**17. DESIGN DRAWINGS. 37 CFR 1.152** Surface shading shown not appropriate. Fig(s) _____ Solid black shading not used for color contrast.

Fig(s) _____

COMMENTSDATE 12/15/99 TELEPHONE NO. 308-8011